

Mechanical Examination Outlines

Kentucky Master HVAC

Exam code: **595**

Exam fee: \$100 (CBT)

100 multiple-choice questions

Open book—4-hour time limit

Content Area % of Total Approved References

- HVAC Principles, Terminology, Administration, and Safety 16% 2006 *International Mechanical Code®*
 - HVAC Installation Requirements 14% 2006 *International Fuel Gas Code®*
 - Venting, Duct, and Combustion Air 18% 2005 *National Electrical Code*
 - Gas Piping 8% *Modern Refrigeration and Air Conditioning*, 18th Edition
 - HVAC Electrical 13% *Refrigeration and Air Conditioning Technology*, 5th Edition
 - Boilers, Exhaust Systems, and Fire Protection 11%
 - Plan Analysis 20%
- Total 100%**

NOTE: Candidates are required to pass two examinations, one on Business and Law and one covering technical HVAC knowledge and codes, for licensure (see below). License permits contract holder to contract and engage in the business and practice of HVAC work within the Commonwealth of Kentucky.

Kentucky Business and Law

Exam Code: **231**

Exam fee: \$60 (CBT)

30 multiple-choice questions

Open book—1-1/2-hour time limit

Content Area % of Total Approved References

- Business Structure Practices and Licensing 10% Kentucky Contractors Business and Law, 5th Edition
 - Estimating and Bidding 13%
 - Contractors and Acceptance 7%
 - Project Management and Planning 13%
 - Financing and Recordkeeping 13%
 - Insurance and Bonding 10%
 - Labor Law and Personnel Policies 10%
 - Tax, Lien Laws, and Dispute Resolution 13%
 - Safety and OSHA Compliance 10%
- Total 100%**

NOTE: A contractor's license may be held to conduct business without holding a master license. However, a person with a contractor license must be associated with a master license holder.

Kentucky Journeyman HVAC

Exam code: **598**

Exam fee: \$100 (CBT)

60 multiple-choice questions

Open book—3-hour time limit

Content Area % of Total Approved References

- HVAC Principles, Terminology, Administration, and Safety 16% 2006 *International Mechanical Code®*
 - HVAC Installation Requirements 14% 2006 *International Fuel Gas Code®*
 - Venting, Combustion Air, and Gas Piping 18% 2005 *National Electrical Code*
 - Boilers, Duct, and Electrical 8% *Modern Refrigeration and Air Conditioning*, 18th Edition
 - Plan Analysis 13% *Refrigeration and Air Conditioning Technology*, 5th Edition
- Total 100%**

NOTE: License holder must be employed under the supervision of a Master HVAC Contractor.

Kentucky Limited Journeyman Installer Mechanic

Exam code: **597**

Exam fee: \$100 (CBT)

50 multiple-choice questions

Open book—3-hour time limit

Content Area % of Total Approved References

- HVAC Principles, Terminology, and Safety 20% 2006 *International Mechanical Code®*
- HVAC Installation Requirements 22% 2006 *International Fuel Gas Code®*
- Gas Piping 16% 2005 *National Electrical Code*
- Duct 10% *Modern Refrigeration and Air Conditioning*, 18th Edition
- Electrical 4% *Refrigeration and Air Conditioning Technology*, 5th Edition
- Venting 14%
- Plan Analysis 14%
- Total 100%**

NOTE: License permits holder to install any system of air conditioning, warm-air heating, and ventilation, including start-up of equipment and any duct system necessary to make an air-conditioning system complete. Must be employed under the supervision of a Master HVAC Contractor.

Kentucky Limited Journeyman Duct Mechanic

Exam code: **596**

Exam fee: \$100 (CBT)

60 multiple-choice questions

Open book—3-hour time limit

Content Area % of Total Approved References

- Duct System Materials 7% 2006 *International Mechanical Code®*
- Combustion Air 10% 2006 *International Fuel Gas Code®*
- Exhaust Systems 20% *HVAC Duct Construction Standards: Metal and Flexible*,
- Fresh Air and Ventilation Systems 20% 3rd Edition
- Grease Hoods 13%
- Supply and Return Duct Systems 17%
- Gas Appliance Venting 13%
- Total 100%**

NOTE: License permits holder to fabricate, install, repair, or extend ductwork. Must be employed under the supervision of a Master HVAC Contractor.